



Power Mac G4 M5183 Teardown STEM Project

This guide is for my engineering class. My goal is to show you how to fully gut a Power Mac G4.

Written By: Harrison Case



INTRODUCTION

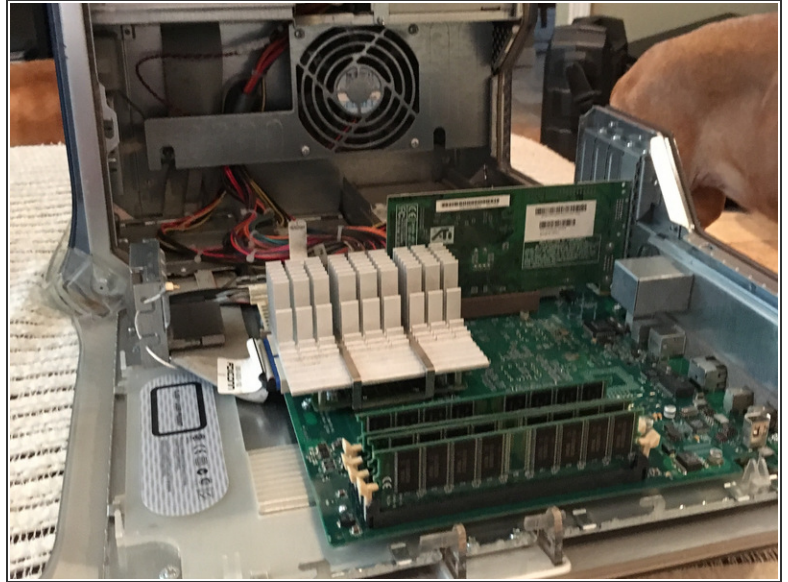
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TOOLS:

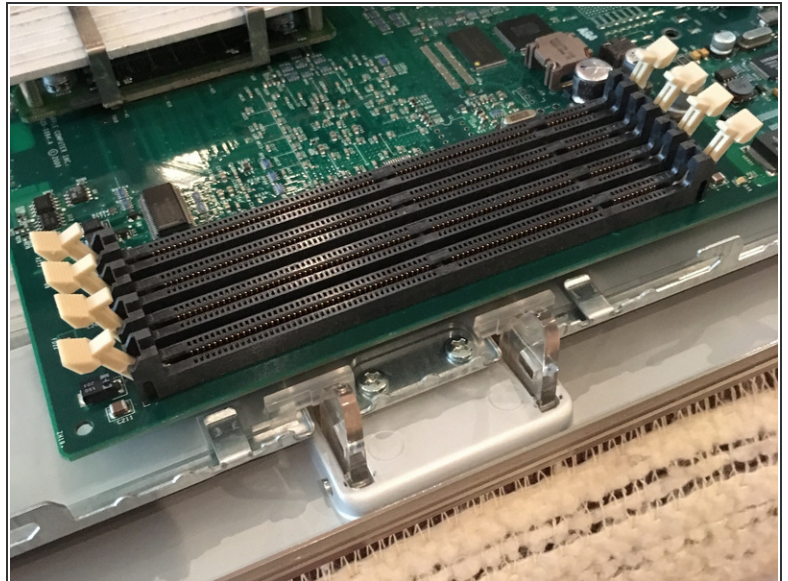
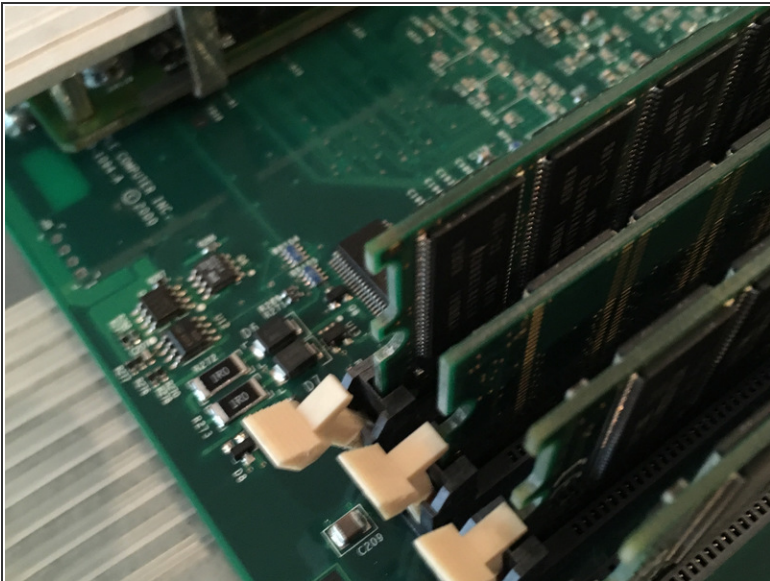
- [Phillips #1 Screwdriver](#) (1)
 - [2.5mm Hex Key](#) (1)
 - [iFixit Opening Tools](#) (1)
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Step 1 — Case



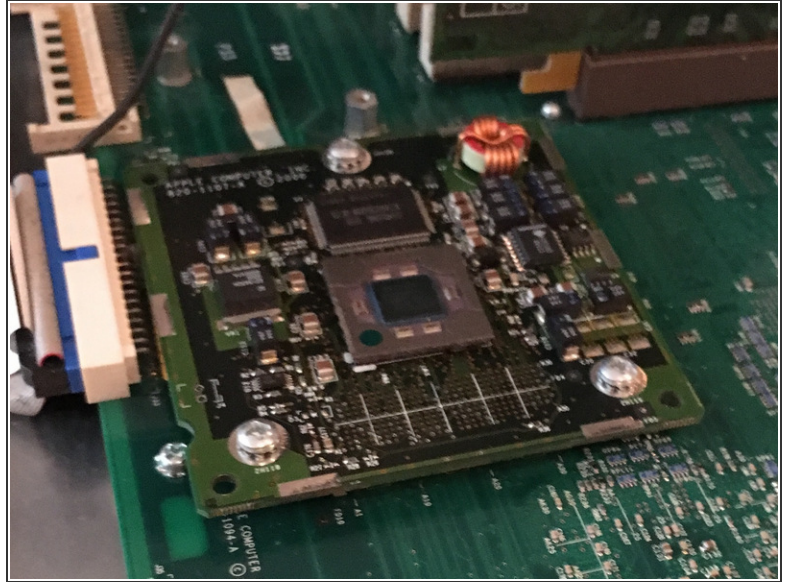
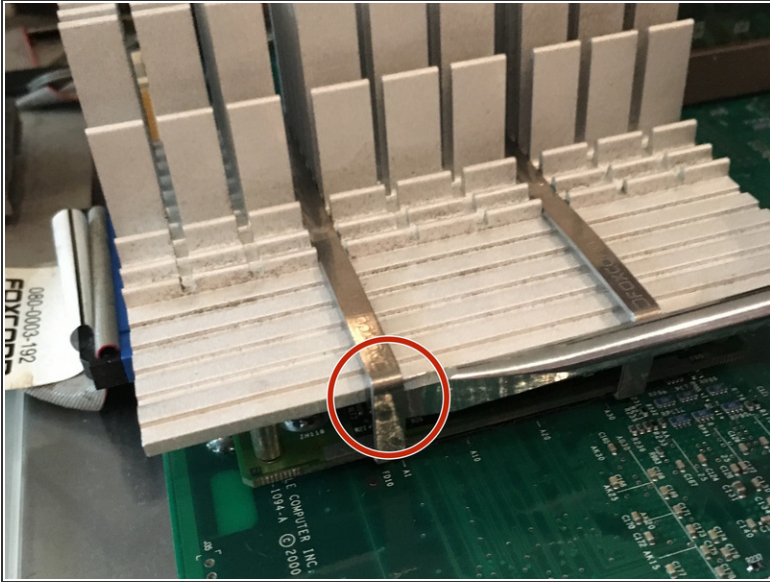
- Pull the tab to open the case.

Step 2 — RAM



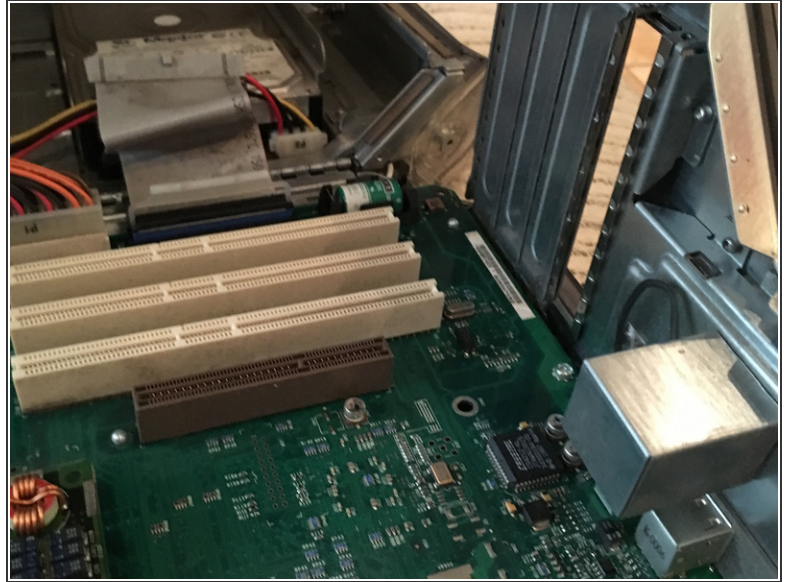
- Pull the white tabs down
- Lift up the RAM
- Repeat x4

Step 3 — Heat-sink



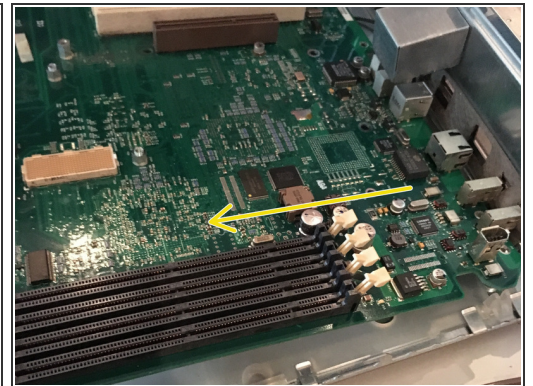
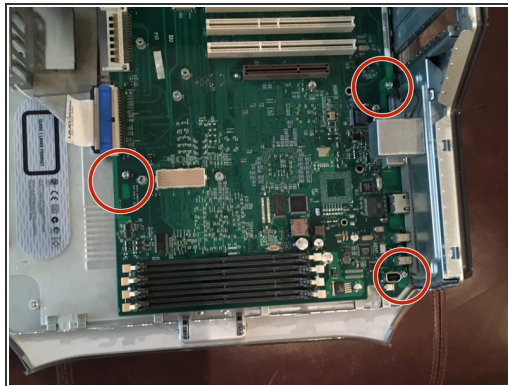
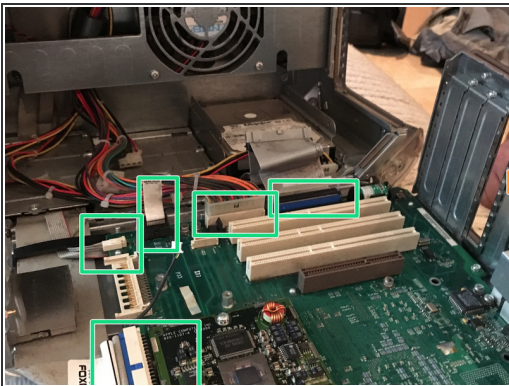
- Use a flat head screwdriver or spudger to lift up the tabs that hold down the heat-sink.
- Repeat x2
- The heat-sink should just lift right off.

Step 4 — GPU



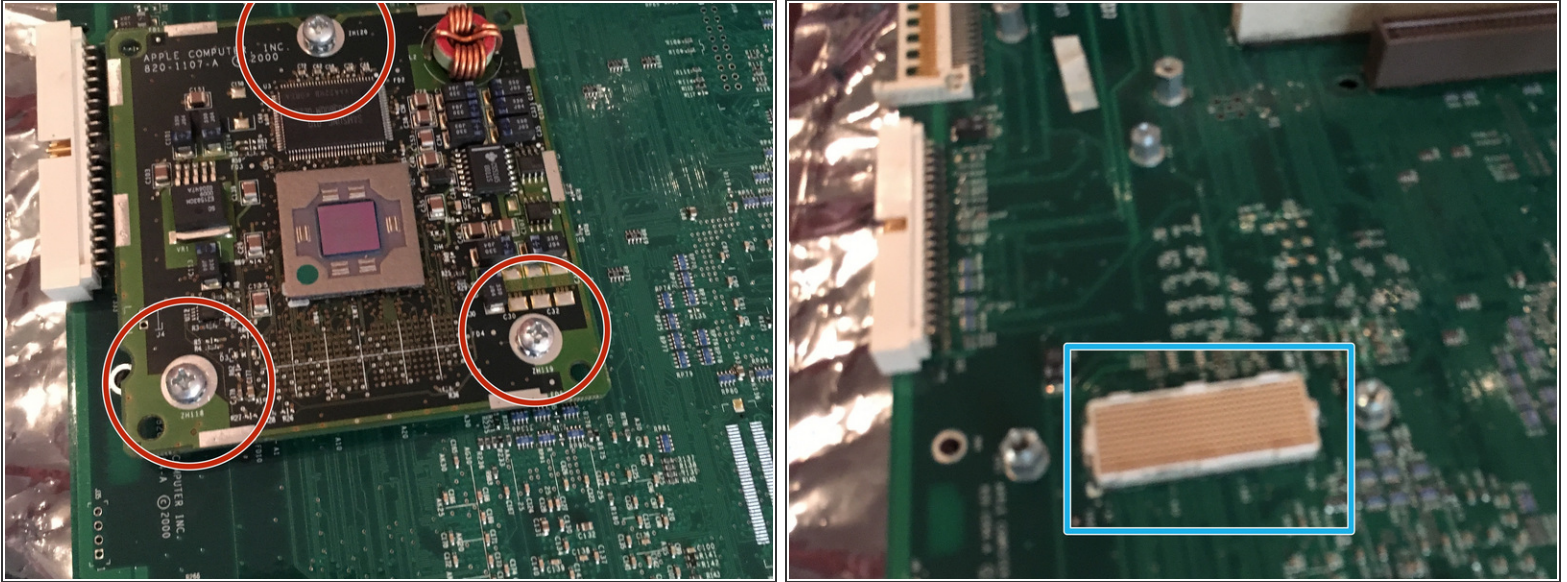
- Remove highlighted screw.
- The GPU should lift right out.

Step 5 — Mother Board



- Remove highlighted cables.
- Remove highlighted screws.
- Lift out the motherboard. (Note: pull to the left to clear the ports from the case)

Step 6 — CPU



- Remove highlighted screws.
- After removing the screws, simply lift off the CPU from the connector. Use only a minimal amount of pressure when pulling the CPU from the connector.
- This is the connector after removal of the CPU.

Step 7 — DVD/ROM drive



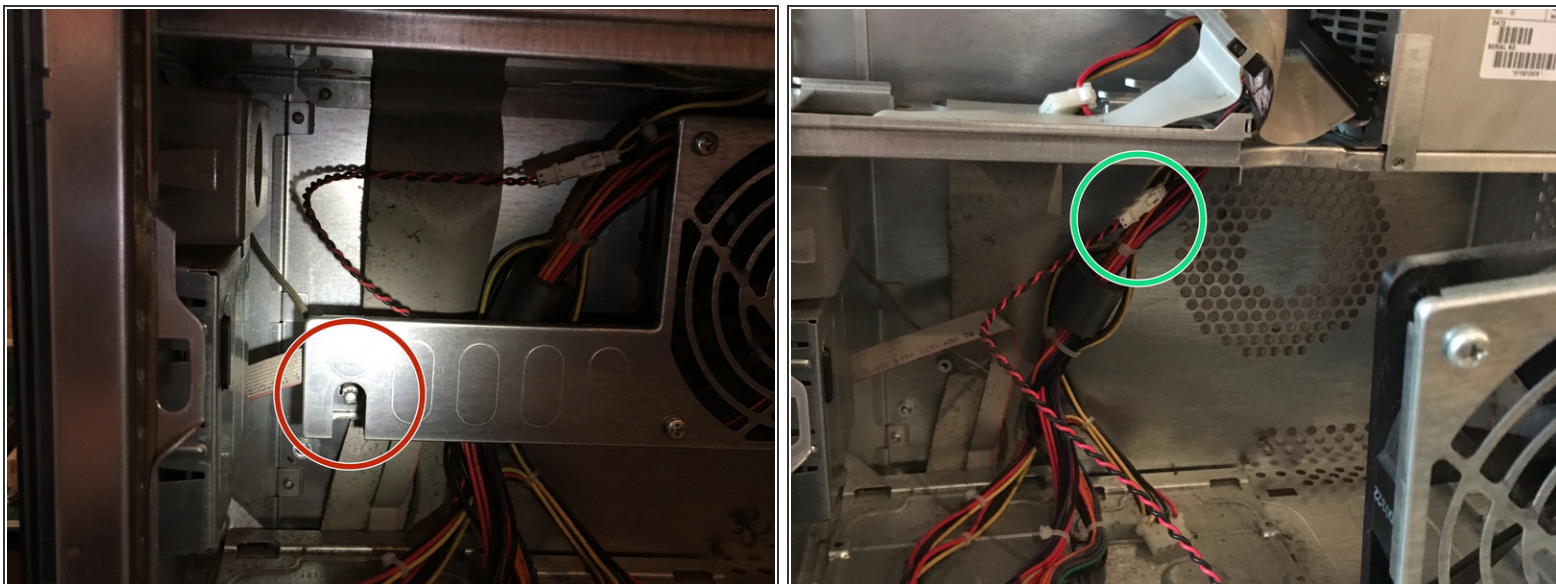
- Remove the face plate. You are supposed to press down the highlighted tabs from the inside.
- Remove highlighted screws.
- Slide out the drive. (MAKE SURE TO UNHOOK THE CABLES)

Step 8 — Hard drive



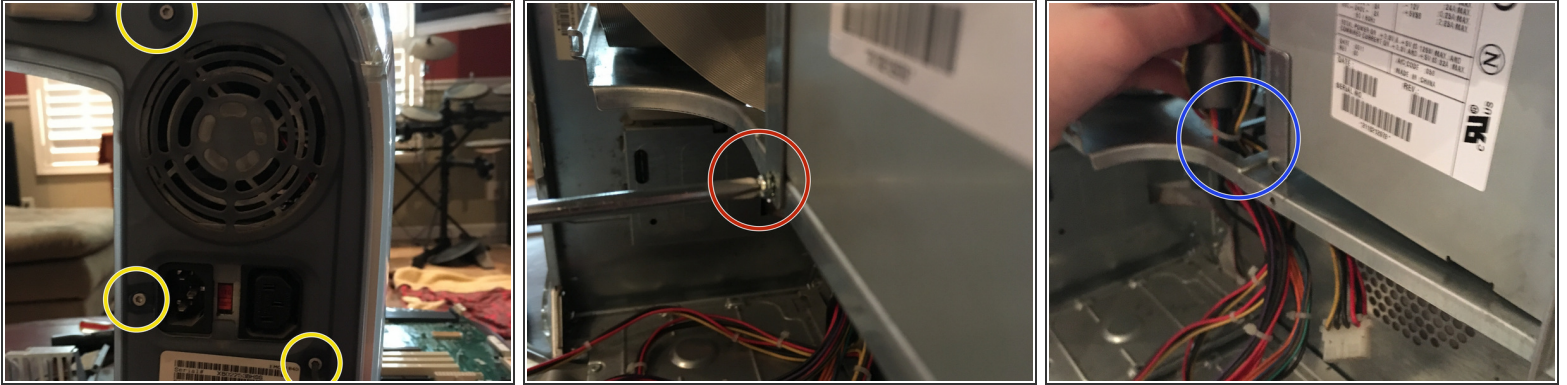
- Remove the highlighted cables.
- Remove highlighted screw.
- Lift out the hard drive.

Step 9 — Main Fan



- Remove highlighted screw. (SAME SCREW ON OPPOSITE SIDE, REMOVE THAT AS WELL.)
- Disconnect the connector.
- After that, just pull it out.

Step 10 — Power Supply



- Use a 2.5 mm hex key to remove these screws.
- Remove highlighted screw.
- Feed the wires through the highlighted hole, then pull out the power supply.

Step 11 — Finished!



- You will be left with an empty case.